



500.017377

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
: Examiner: Unassigned  
KEIJI TOMIZAWA ET AL. )  
: Group Art Unit: Unassigned  
Application No.: 10/614,159 )  
:   
Filed: July 8, 2003 )  
:   
For: INK JET RECORD HEAD ) September 26, 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. A copy of each of the listed documents is enclosed.

The Examiner's attention is also directed to the following U.S. Applications, a copy of each of which is enclosed:

<u>Application Number</u>	<u>Inventor(s)</u>	<u>Filing Date</u>	<u>Group Art Unit</u>	<u>Status</u>
10/614,009	Keiji Tomizawa Shuichi Murakami	July 8, 2003	Unassigned	Pending

<u>Application Number</u>	<u>Inventor(s)</u>	<u>Filing Date</u>	<u>Group Art Unit</u>	<u>Status</u>
10/419,843	Shuichi Murakami Michinari Mizutani	April 22, 2003	2861	Pending
10/419,839	Ken Tsuchii Mineo Kaneko Keiichiro Tsukuda Masaki Oikawa Kenji Yabe Keiji Tomizawa	April 22, 2003	2853	Pending
10/621,347	Shuichi Murakami Keiji Tomizawa	July 18, 2003	Unassigned	Pending

Japanese Patent Application Laid-Open No. 4-10941 is discussed at pages 3 and 18 of the specification and may be relevant for the reasons discussed therein.

Japanese Patent Application Laid-Open Nos. 54-161935, 61-185455, and 61-249768 are discussed at page 3 of the specification and may be relevant for the reasons discussed therein.

Japanese Patent Application Laid-Open No. 4-10940 is discussed at page 18 of the specification and may be relevant for the reasons discussed therein.

U.S. Patent No. 5,218,376 is a U.S. counterpart to Japanese Patent Application Laid-Open Nos. 4-10940 and 4-10941.

Abstracts for Japanese Patent Application Nos. 4-10940, 4-10941, 54-161935, 61-185455 and 61-249768, obtained from a commercial database, are enclosed for the Examiner's convenience.

### FORMAL MATTERS

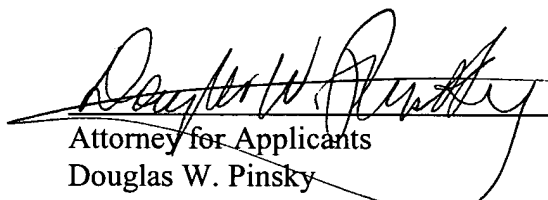
In accordance with 37 C.F.R. §1.97(b), since this Information Disclosure Statement is being filed within three months of the filing date of the subject application, neither a statement under 37 C.F.R. §1.97(e) nor payment of a fee is required for consideration of this Information Disclosure Statement.

### CONCLUSION

It is respectfully requested that the above information be considered by the Examiner and that an initialed copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Applicants' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,

  
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FORM PTO 1449 (modified)

ATTY DOCKET NO.

APPLICATION NO.

03500.017377

10/614,159

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

APPLICANT

KEIJI TOMIZAWA ET AL.

FILING DATE

July 8, 2003

GROUP

Unassigned

September 26, 2003

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,218,376	06/1993	Asai			
	6,137,510	10/2000	Sato et al.			
	6,286,933 B1	09/2001	Murakami et al.			
	6,350,016 B1	02/2002	Tachihara et al.			
	6,439,696 B1	08/2002	Murakami et al.			
	6,443,561 B1	09/2002	Murakami			
	6,520,626 B1	02/2003	Murakami			
	6,540,335 B2	04/2003	Touge et al.			
	2002/0054181 A1	05/2002	Murakami			
	2002/0196299 A1	12/2002	Murakami			
	2003/0058305 A1	03/2003	Murakami et al.			
	2003/0067508 A1	04/2003	Mizutani et al.			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
JP 54-161935	12/1979	Japan			Abstract
JP 61-185455	08/1986	Japan			Abstract
JP 61-249768	11/1986	Japan			Abstract
JP 4-10940	01/1992	Japan			Abstract*
JP 4-10941	01/1992	Japan			Abstract*

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

\*Note: U.S. counterpart, Patent No. 5,218,376, is also enclosed.

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicants.